Faculty Profile



Dr. A. Selva Reegan , M.E., Ph.D
Assistant Professor(SG)/CSE

HIGHLIGHTS:

- Number of Journal Publications: 6
- H-Index:3
- Project Funding Received: Nil
- Patents Published:4
- Patents Granted:Nil

PROFESSIONAL LINKS:

- Scopus ID: 56905416000
- Scopus Link: https://www.scopus.com/pages/feedback/author/review-profile?authorIds=56905416000
- Google Scholar ID: bWiAcJ4AAAAJ
- Anna University Faculty ID: 2675431983
- AICTE Faculty ID: 1-2185649566
- Anna University Supervisor ID: Nil
- LinkedIn: Nil

PROFESSIONAL BACKGROUND:

Teaching Experience till date: 19 Years
Industrial Experience: Nil

INTERNATIONAL EXPOSURE:

- Nil.

AREA OF SPECIALIZATION:

- Computer Networks

- Network Security
- Wireless Sensor Networks
- Blockchain

Ph.Ds AWARDED WITH DETAILS:

S:No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time
-	-	-	-	-

Ph.Ds GUIDING:

- **Full Time Scholars: Nil**
- **Part Time Scholars : Nil**

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

- Nil

PATENTS PUBLISHED/GRANTED:

- An IOT Based Smart Necklace for Improving Mobility of Blind People
- Congestion Avoidance and Control in 5G Wireless Sensor Network for Chain Topology.
- System and method for Plant Disease Detection using Neural Networks.
- Blockchain based Resource Allocation in Cloud

COURSES CERTIFIED:

S.No	Subject Name	Date of Completion
1	Computer Networks	November 2019
2	Demystifying Networks	August 2019
3	Internet of Things	April 2020
4	Cyber Security and Privacy	October 2023
5	Python Programming	June 2024
6	Python for Data Science	Feb 2026

ACHIEVEMENTS AND AWARDS:

- Nil

SPECIAL SESSIONS DELIVERED:

- Nil

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

Conference

1. A.Selva Reegan, Parteeban,"Edge-Enhancement Deep Learning for Efficient Microgrid Communication: A visualization Approach" IEEE International Conference on Green Industrial Electronics and Sustainable Technologies, pp.13-20, 2025. (Scopus Indexed), ISSN:1324567.
2. A. Selva Reegan, S. Mamitha "An Efficient secure data storage and sharing using Re-encryption Approach in IoT based on Blockchain", International Conference on Recent trends in Engineering, Technology and Management, 2023.
3. A. Selva Reegan "A Secure Authentication and Data Sharing in Medical data for wireless Sensor Networks based on Blockchain", International Conference on Soft Computing and Intelligent Systems, Bethlahem Institute of Engineering, 2022.
4. A. Selva Reegan "Web Application Vulnerability Scanner", International Conference on Soft Computing and Intelligent Systems, Bethlahem Institute of Engineering, 2022
5. A. Selva Reegan, S. Mamitha "A Novel Method for Health Care System using ZigBee Based WSN", International Conference on Emerging trends in Engineering and Technology, Gojan College of Engineering, 2021.
6. A. Selva Reegan, S. Mamitha "An Enhanced Clustering and Data Aggregation Wireless Sensor Networks using Machine Learning Algorithms ", International Conference on Emerging trends in Engineering and Technology, Gojan College of Engineering, 2021
7. A.Selva Reegan " An Energy Efficient with High Security protocol for Route Optimization and Prolong Lifetime in Wireless Sensor Networks", International Conference on Sustainable Development, Kalasalingam Global Conference KGC 2019 at Kalasalingam University.
8. Presented a paper entitled "Comparative Analysis of Machine Learning Models for Network Traffic Anomaly Detection" in the National Conference on Sustainable Engineering, Science and Safety, at Stella Mary's College of Engineering on 28th March 2025.
9. Presented a paper entitled "Securing Blockchain Networks Against Eclipse Attacks: Current Methods and Future Directions" in the National Conference on Sustainable Engineering, Science and Safety, at Stella Mary's College of Engineering on 28th March 2025.
10. Presented a paper entitled "Implementation of Bio-Inspired Algorithm in Identification of best route in via colony optimization, Energy level and Throughput with encryption" in the National Conference on Recent Advancement in Computer Science and Engineering, at Bethlahem Insistute of Engineering on 27th Feb 2016.

11. Presented a paper entitled “Secure and Efficient Key Management Schemes in WSN based on group oriented Cryptography” in the National Conference on RCCEGC, at Sun College of Engineering and Technology on 20th Feb 2012.
12. Presented a paper entitled “Resource Allocation Scheme for Parallel Jobs on Clusters with Security” in the National Conference, NCACT’ 09 at Dhanalakshmi Srinivasan Engineering College, Perambalur on 6th March, 2009.

Faculty Development Programs Attended

1. Six days National Level FDP Training Programme on “Generative & Agentic AI- tools & Demo’s “conducted by Sardar Vallabhbhai National Institute of Technology from 16 February to 21st February 2026.
2. Six days FDP Training Programme on “Artificial Intelligence and Education: Integrating AI into Computer Science Curriculum “conducted by St. Xaviers’s Catholic College of Engineering from 24 June to 29 June 2024.
3. Twelve Weeks FDP on “Cyber Security and Privacy” conducted by NPTEL-AICTE from June to October 2023.
4. Five days FDP Training Programme on “Python for AI Applications “conducted by Stella Mary’s College of Engineering from 08th to 12th February 2023.
5. Five days FDP Training Programme on “Machine Learning using Python “conducted by Hindusthan College of Engineering and Technology from 13th to 17th March 2023.
6. Five days’ workshop on “Applications of Image Processing in MATLAB “conducted by Marcello Tech from 12th to 16th December 2022.
7. Two Weeks FDP Training Programme on “Machine Learning and Deep Learning-An Application Perspective “conducted by Sreenivasa Institute of Technology and Management Studies on 22nd March to 03rd April 2021
8. Five days FDP Training Programme on “IOT Protocols and WSN-Theory and Practice “ Bangalore Institute of Technology on 17th to 21th August 2020.
9. Five days FDP Training Programme on “Artificial Intelligence Applications through Machine Learning “conducted by Balaji Institute of Technology and Science on 14h to 18th July 2020.
10. Five days FDP Training Programme on “Hands on FDP: Data Science using Python “conducted by Jeppiaar Institute of Technology on 18h to 22th May 2020.
11. Three days FDP Training Programme on “Disruptive Technologies “conducted by Jeppiaar Engineering College on 18h to 20th May 2020.
12. Two days FDP on “Demystifying Networking” conducted by NPTEL-AICTE, 2019.

13. Three Days FDP on “Internet of Things” at Stella Mary’s College of Engineering, Aruthenganvilai from 12-07-2018 to 14-07-2018.
14. Five Days FDP on “Hadoop (Hortonworks)” at Stella Mary’s College of Engineering, Aruthenganvilai from 19-06-2018 to 23-06-2018.
15. Six Days FDP on “Artificial Intelligence” at Stella Mary’s College of Engineering, Aruthenganvilai from 10-12-2018 to 15-12-2018.
16. Six Days FDP on “Trends in Web Technology” at Stella Mary’s College of Engineering, Aruthenganvilai from 11-12-2017 to 16-12-2017.
17. Two days FDP on “Introduction to Mobile App Development” conducted by ICT Academy at Stella Mary’s College of Engineering on 28th to 29th September 2016.
18. Seven days FDP Training Programme on “Cryptography and Network Security“Organized by Anna University Chennai at University College of Engineering, Konam on 11th to 17th May 2013.
19. Three days FDP Programme on “Recent Research Trends in Computers and Communication” at Sun College of Engineering and Technology on 16th to 18th June 2011.
20. Three days FDP Training Programme on “Instructional Design and Delivery System “conducted by NIITTS at Sun College of Engineering and Technology on 28th to 30th June 2010.

PROFESSIONAL MEMBERSHIPS:

- Nil

OTHER DETAILS (If any):

Book Publications

S.No	Subject Name	Sem&Year	Academic Year	ISBN	Publication Name
1	Cryptography and Network Security	07& Final Year(CSE)	2020-21(ODD)	978-93-89970-28-9	Charulatha Publications
2	Ad hoc Wireless Sensor Networks	07& Final Year(ECE)	2020-21(ODD)	978-93-89970-29-6	Charulatha Publications
3	Wireless Adhoc and Sensor Networks	07& Final Year(CSE)	2020-21(ODD)	978-93-89970-27-7	The Charulatha Publications

4	Cyber Forensics	08& Final Year (CSE)	2020-21(EVEN)	978-93-90967-11-7	**The Charulatha Publications**
5	Information Security	08 & Final Year (CSE)	2020-21(EVEN)	978-81-950317-3-3	**The Charulatha Publications**
6	Programming in C	02 & I year (CSE)	2021-21(EVEN)	978-93-93479-45-7	**The Charulatha Publications**
7	Foundations of Data Science	03& II Year (CSE)	2022-23(ODD)	978-93-95211-28-4	**The Charulatha Publications**
8	C Programming and Data Structures	03& II Year (ECE & EEE)	2022-23(ODD)	978-93-95211-29-1	**The Charulatha Publications**
9	Data Structures	03& II Year (CSE)	2022-23(ODD)	978-81-95269-85-3	**The Charulatha Publications**
10	Internet Programming	06& III Year (CSE)	2022-23(EVEN)	978-81-19056-12-5	**The Charulatha Publications**
11	Networks and Security	04& II Year (ECE)	2022-23(EVEN)	978-81-19056-00-2	**The Charulatha Publications**
12	Computer Networks	05& III Year (CSE)	2023-24(ODD)	978-81-19056-00-2	**The Charulatha Publications**
13	Cryptography and Cyber Security	05& III Year (CSE)	2023-24(ODD)	978-81-19056-00-2	**The Charulatha Publications**